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	Application Number		09625518	
	Filing Date		2000-07-25	
INFORMATION DISCLOSURE	First Named Inventor	Craig	Weissman	
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit		2162	
(Not for Submission under 67 of K 1.55)	Examiner Name	Colan	, Giovanna B.	
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	1	5249300		1993-09-28	Bachman, et al.	
	2	5386556		1995-01-31	Hedin, et al.	
	3	5550971		1996-08-27	Brunner, et al.	
	4	5659724		1997-08-19	Borgida, et al.	
	5	5675785		1997-10-07	Hall, et al.	
	6	5721903		1998-02-24	Anand, et al.	
	7	5806060		1998-09-08	Borgida, et al.	
	8	5832496		1998-11-03	Anand, et al.	

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9	5870746	1999-02-09	Knutson, et al.	
10	5905985	1999-05-18	Malloy, et al.	
11	5924096	1999-07-13	Draper, et al.	
12	5978811	1999-11-02	Phillip L. Smiley	
13	5995958	1999-11-30	Kevin Houzhi Xu	
14	6085198	2000-07-04	Skinner, et al.	
15	6128624	2000-10-03	Papierniak, et al.	
16	6161103	2000-12-12	Rauer, et al.	
17	6167405	2000-12-26	Rosensteel, Jr., et al.	
18	6189004	2001-02-13	Rassen, et al.	
19	6212524	2001-04-03	Weissman, et al.	

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	20	6263341		2001-07	'-17	Phillip L. Smile	у				
	21	5428776		1995-06-27		Evan M. Rothfield					
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	1	Chawathe, S. et al., "Cha 1996, pp. 493-504.	inge Det	ection in	Hierarch	ically Structured	d Information", SIGM	OD Rec	ord, Vol. 25	, No. 2, Jun.	
	2	Chawathe, S. et al., "Mea International Conference					ata", Proceedings of	the 199	97 ACM SIG	MOD	

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Attorney Docket Number		119645-00103.6	

3	Gupta, A. et al., "Aggregate-Query Processing in Data Warehousing Environments", Proceedings of the 21st VLDB Conference, Zurich, Switzerland, Sep. 1995, 358-369.	
4	Gupta, H. et al., "Index Selection for OLAP", IEEE Paper No. 1063-6382/97, IEEE (1997), pp. 208-219.	
5	Gupta, H., "Selection of Views to Materialize in a Data Warehouse", Database TheoryICDT '97, Proceedings of the 6th International Conference, Delphi, Greece, Jan. 1997, pp. 98-112.	
6	Harinarayan, V. et al., "Implementing Data Cubes Efficiently", SIGMOD Record, ~Vol. 25, No. 2, Jun. 1996, pp. 205-216.	
7	Huyn, N., "Multiple-View Self-Maintenance in Data Warehousing Environments", Proceedings of the 23rd International Conference on Very Large Data Bases, IEEE, (1997), pp. 26-35.	
8	IBMWebcache Manager, www.storage.ibm.com/hardsoft/products/wcm/webcache.htm	
9	International Search Report for PCT/US00/10516	
10	Kawaguchi, A. et al., "Concurrency Control Theory for Deferred Materialized Views", Database Theory-ICDT '97, Proceedings of the 6th International Conference, Delphi, Greece, Jan. 1997, pp. 306-320.	
11	Labio, W. et al. "Efficient Snapshot Differential Algorithms for Data Warehousing", Department of Computer Science, Stanford University, (1996), pp. 1-13.	
12	Labio, W. et al., "Physical Database Design for Data Warehouses", IEEE Paper No. 1063-6382/97, IEEE (1997), pp. 277-288.	
13	McAlpine, G. et al., "Integrated Information Retrieval in a Knowledge Worker Support System", Proc. of the Intl. Conf. on Research and Development In Information Retrieval (SIGIR), Cambridge, MA, Jun. 25-28, 1989, Conf. 12, pp. 48-57.	

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14	"Multiple Selection List Presentation Aids Complex Search", IBM Technical Disclosure Bulletin, vol. 36, No. 10, Oct. 1993, pp. 317-318.	
15	Mumick, I. et al., "Maintenance of Data Cubes and Summary Tables in a Warehouse", Proceedings of the 1997 ACM SIGMOD International Conference, ACM Press, 1997, pp. 100-111.	
16	O'Neill, P. et al., "Improved Query Performance with Variant Indexes", Proceedings of the 1997 ACM SIGMOD International Conference, ACM Press, 1997, pp. 38-49.	
17	Quass, D., "Maintenance Expressions for Views with Aggregation", Proceedings of the 21st International Conference on Very Large Data Bases, IEEE, Zurich, Switzerland, (Sep. 1995), 9 pages.	
18	Quass, D. et al., "Making Views Self-Maintainable for Data Warehousing", Proceedings of the Fourth International Conference on Parallel and Distributed Information Systems, IEEE, Dec. 1996, pp. 158-169.	
19	Quass, D. et al., "On-Line Warehouse View Maintenance", Proceedings of the 1997 ACM SIGMOD International Conference, ACM Press, 1997, pp. 393-404.	
20	Tsuda, K. et al., "IconicBrowser: An Iconic Retrieval System for Object-Oriented Databases", Proc. of the IEEE Workshop on Visual Languages, Oct. 4, 1989, pp. 130-137.	
21	Widom, J., "Research Problems in Data Warehousing", Proc. of 4th Int'l Conference on Information and Knowledge Management (CIKM), Nov. 1995, 6 pages.	
22	Wiener, J. et al., "A System Prototype for Warehouse View Maintenance", The Workshop on Materialized Views, pp. 26-33, Montreal, Canada, Jun. 1996.	
23	Yang, J. et al., "Maintaining Temporal Views Over Non-Historical Information Sources For Data Warehousing", Advances in Database TechnologyEDBT '98, Proceedings of the 6th International Conference on Extending Database Technology, Valencia, Spain, Mar. 1998, pp. 389-403.	
24	Zhuge, Y. et al., "View Maintenance in a Warehousing Environment", SIGMOD Record, Vol. 24, No. 2, Jun. 1995, pp. 316-327.	

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	25		e, Y. et al., "Consistency Algorithms for Multi-Source Warehouse Voases, Vol. 6, pp. 7-40 (1998), Kluwer Academic Publishers.	/iew Maintenance", Dis	stributed and Parallel				
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